

BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name of Work: Drilling of Borewell providing pump motor and servicing in NMH Layout Sampangiramaiah layout and Meenakshi layout in ward.14

S.No	Description of work	Unit	Qty	Rates to be Quoted	
				In Figures	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc Complete as per Specification.	each	3.00	1900.00	Rupees One Thousand Nine Hundred Only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) Complete as per Specification.				
a	0.00 to 50.00 Mtr.	Mtr	150.00	306.00	Rupees Three Hundred Six Only
b	50.00 to 100.00 Mtr.	Mtr	150.00	400.00	Rupees Four Hundred Only
c	100.00 to 150.00 Mtr.	Mtr	150.00	445.00	Rupees Four Hundred Forty Five Only

V. Srinivas
 Signature of the Contractor (TM-2)
 KRIDL, Dasarahalli Zone, Bangalore

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d	150.00 to 200.00 Mtr.	Mtr	150.00	470.00	Rupees Four Hundred Seventy Only
e	200.00 to 250.00 Mtr.	Mtr	150.00	544.00	Rupees Five Hundred Forty Four Only
f	250.00 to 300.00 Mtr.	Mtr	150.00	606.00	Rupees Six Hundred Six Only
g	300.00 to 350.00 Mtr.	Mtr	60.00	624.00	Rupees Six Hundred Twenty Four Only
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) Complete as per Specification.	Mtr	108.00	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
4	Providing and fixing 250mm dia PVC pipe and as per specification and directions. Complete as per Specification.	Rmt	60.00	1100.00	Rupees One Thousand One Hundred Only
5	175 mm dia M.S. Casing cap Complete as per Specification.	Each	3.00	100.00	Rupees One Hundred Only
6	M.S. Casing pipe collars 'C' Class Complete as per Specification.	Each	162.00	150.00	Rupees One Hundred Fifty Only
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 25 stage Complete as per Specification.	set	2.00	71265.25	Rupees Seventy One Thousand Two Hundred Sixty Five and Twenty Five Paise Only

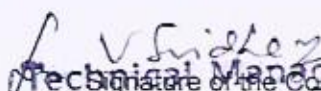
	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc., complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe Complete as per Specification.	Rmtr	640.00	402.50	Rupees Four Hundred Two and Fifty Paise Only
9	Providing & fixing heavy duty collar Complete as per Specification.	No	114.00	150.00	Rupees One Hundred Fifty Only
10	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia Complete as per Specification.	Mtr	1300.00	159.50	Rupees One Hundred Fifty Nine and Fifty Paise Only
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR) Complete as per Specification.	no	2.00	10000.00	Rupees Ten Thousand Only
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sq cm Complete as per Specification.	Sqm Cm	44000.00	0.33	Thirty Three Paise Only
13	Providing & Fixing of clamps set and borewell cap to the pump (MR)	No's	2.00	690.00	Rupees Six Hundred Ninety Only
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. Complete as per Specification.	No's	4.00	1600.00	Rupees One Thousand Six Hundred Only

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15	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributor pipeline. 50mm dia Complete as per Specification.	No's	4.00	1145.00	Rupees One Thousand One Hundred Forty Five Only
16	Providing and fixing of 50mm GI bend to motor Complete as per Specification.	No's	4.00	219.00	Rupees Two Hundred Nineteen Only
17	Providing and fixing of 50mm GI Nipple to motor Complete as per Specification.	No's	4.00	104.30	Rupees One Hundred Four and Thirty Paise Only
18	Providing and fixing of 50mm GI union to the motor Complete as per Specification.	No's	4.00	223.70	Rupees Two Hundred Twenty Three and Seventy Paise Only
19	Labour Charges for end connection Complete as per Specification.	No's	2.00	400.00	Rupees Four Hundred Only
20	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) Complete as per Specification.	Per length	108.00	88.00	Rupees Eighty Eight Only
21	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc., Complete as per Specification.	No's	2.00	475.00	Rupees Four Hundred Seventy Five Only
22	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP Complete as per Specification.	No's	2.00	880.00	Rupees Eight Hundred Eighty Only
23	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) Complete as per Specification.\	Mtr	60.00	165.00	Rupees One Hundred Sixty Five Only
24	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc., Complete sutting road surfaces Complete as per Specification.	Mtr	60.00	55.00	Rupees Fifty Five Only

25	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm Complete as per Specification.	Mtr	4.00	286.00	Rupees Two Hundred Eighty Six Only
26	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc., is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia bolts, nuts washers and checknuts etc., the pipe shall have 16 through holes of 122mm dia Complete as per Specification.	No's	2.00	1650.00	Rupees One Thousand Six Hundred Fifty Only
27	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, Complete as per Specification.	No's	2.00	264.00	Rupees Two Hundred Sixty Four Only
28	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. Complete as per Specification.	No's	2.00	1350.00	Rupees One Thousand Three Hundred Fifty Only
29	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc., Complete as per Specification.	No's	4.00	1430.00	Rupees One Thousand Four Hundred Thirty Only
30	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Complete as per Specification.	No's	2.00	302.50	Rupees Three Hundred Two and Fifty Paise Only
31	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods Complete as per Specification.	Cum	70.20	223.66	Rupees Two Hundred Twenty Three and Sixty Six Paise Only


 Technical Manager(TM-2)
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32	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm ² including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., Complete as per Specification.	Mtr	130.00	324.36	Rupees Three Hundred Twenty Four and Thirty Six Paise Only
33	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour Complete as per Specification.	Cum	70.20	59.36	Rupees Fifty Nine and Thirty Six Paise Only
34	Transportation of pumping machineries Complete as per Specification.	No.s	2.00	850.00	Rupees Eight Hundred Fifty Only
35	Erection of pumping machineries Complete as per Specification	No.s	2.00	850.00	Rupees Eight Hundred Fifty Only
Note: The said work for sanctioned estimate cost Rs.15.00 Lakhs (Rupees Fifteen Lakhs Only) (Incl.10%+1%KRIDL Charges + 1% Quality control tests Charges) based On "Approved SR Rates"					

Signature of the Contractor
 KRIDL, Dasarahalli Zone, Bangalore

Executive Engineer,
 Dasarahalli Division,

Received by
 V. S. S. 14